

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of: Susan L. Acton et al.

Serial No.: not yet assigned

Filed: Herewith

For: ***DIAGNOSTIC ASSAYS AND KITS FOR BODY MASS AND CARDIOVASCULAR DISORDERS***

Attorney Docket No.: MNI-172CP2

Assistant Commissioner for Patents  
Box Sequence Listing  
Washington, D.C. 20231

**TRANSMITTAL LETTER FOR DISKETTE CONTAINING SEQUENCE LISTING**

Dear Sir:

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Signature

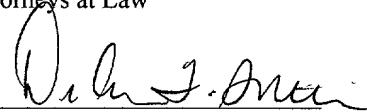
Nelson F. Barros

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Please Print Name of Person Signing

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## SEQUENCE LISTING

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 McCarthy, Jeanette J.

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<210> 7  
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 <213> Human

<400> 7  
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 gactacatcg tcatgcccaa catcctggtc ttggtgaggc tgccctgtgg cccacgcccgc 360  
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<400> 9  
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gggtgggccc ggccatggct gctcggaggt ggcaggacc agagagctcc ttcttccttt 360

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<211> 436

<212> DNA

<213> Human

<400> 10

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tggccctact gaggggtcta gtctggatgc ttccccccag gttgacttct ggcattcga 180

tcagtgcac atgatcaatg gaacttctgg gcaaattgtgg ccgccttca tgactcctga 240

gtcctcgctg gagttctaca gcccggaggc ctgccggtaa tcactggac tcggggcctc 300

ctgggtttcc tggtagctc atggccaaat tctgtgggtg tggctgtgca cttggaaagc 360

attttgcactc atcggtggatt tgactcagta gcccttgcca ccagcttcaa ttctctttgg 420

tcacaccacc aaaagc 436

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<211> 481

<212> DNA

<213> Human

<220>

<223> All occurrences of n = any nucleotide

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cgggtctggg tgtccccctct catcctgtct gtcccctgca gatccatgaa gctaattgtac 180

aaggagtcag gggtgtttga aggcatcccc acctatcgct tcgtggctcc caaaaccctg 240

tttgccaacg gtcacatcta cccacccaac gaaggcttct gcccgtgcct ggagtctgga 300

attcagaacg tcagcagctg caggttcagt acgtgccgtc ccctgttctg ggatngccgg 360

agggtgttag gtntngggca cctnanggtt tatctgcccata tgctgtctg cttaatctct 420

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481

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<400> 12  
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ctaaccagga ggcacactcc ttgttcgtgg acatccaccc ggtgagcccc tgccatcc 300  
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gttccttact 430

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<220>  
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gactggaaac tggggctgca ttgctcattt agagattang tgctcagtgc tccagtgttc 300  
ccagactccc ctgacatacc ccaggaaaca gggcatgggg aaggagagg gtcctattgg 360  
gggtggaatc cagtcctgc tgcatttc 390

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<212> DNA  
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<400> 14  
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taagactttg ttccaacacc tatgtcttgc ttatttcag acaaactggg aagattgagc 180  
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 ggctttgtt aatagccat gtggcattt gaggcaggag gcggggggag cactttag 300  
 aaaggagag ggctgagcca gggtaaccgg actgttacat ggaccagcgt atcatacact 360  
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 <213> Human

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 agcctcgccccc cccagctcat gtgttgtca ttctgtctcc tcagagcggg gccatggagg 180  
 gggagactct tcacacattc tacactcagc tggtgttgcat gccaagggtg atgcactatg 240  
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 tccggagcca agtaggtgct ggccagaggg cagcccgccg tgacagccat tcgcttgcc 360  
 gctggggaa aggggcctca gatcgaccc tctggccaac cgccagcctgg agcccaccc 420  
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<210> 16  
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 <212> DNA  
 <213> Human

<400> 16  
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 ttcaacgtca actataaatt agcttggta tcttctagga gaaatgctat ttatttgg 180  
 gtagtagtaa aaagggcctca aaggataagg aggccattca ggcctattct gaatccctga 240  
 tgacatcagc tcccaaggc tctgtgctgc aggaagcaaa actgttaggtg ggtaccaggt 300  
 aatgccgtgc gcctccccgc cccctccat atcaagttaga atgctggcgg cttaaaacat 360  
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<211> 544  
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gatagaggag gagagggagg aggagggaaa aggaagggtg aggggcttag aggggagagc 180  
tggaggagg ggagacata gttggggaaag gggtaggaga aaggggaagg gagcaagagg 240  
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ccgccccaaa acggaagcga ggccgtggg gcagcggcag catggcggg cttgtcttgg 360  
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ccgccccggg cccgctcagg cccgccccctt gccgcccggaa tcctgaagcc caaggctgcc 480  
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ctcc 544

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cacccctcacc 190

<210> 19  
<211> 159  
<212> DNA  
<213> Human

<400> 19  
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tcactctcctt cacaagcgta cttgtccctt cccctgcag 159

<210> 20  
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<212> DNA  
<213> Human

<400> 20  
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actcatagtc gggtaagtg ctactccaa aaaagtttgc gt 162

<210> 21  
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ttgcaggcga gtagaaggga aacgtcccat gcagcggggc gggcggtctg acccactggc 180  
ttccccccaca g 191

<210> 22  
<211> 162  
<212> DNA  
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<400> 22  
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tgggtgggtgg ctttcggccc tgtgtgtct ccaccacccc ca 162

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ccacgtccag cctctgacac tagtgtccct tcgccttgca g 161

<210> 24  
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<210> 25  
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<400> 25  
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<210> 26  
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 <213> Human

<400> 26  
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 <213> Human

<400> 27  
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<210> 28  
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 <212> DNA  
 <213> Human

<400> 28  
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ggcaccagct tgaattctct ttggtcacac caccaaaagc 160

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<211> 161  
<212> DNA  
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<400> 29  
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<210> 30  
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<220>  
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<210> 31  
<211> 162  
<212> DNA  
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<400> 31  
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<211> 149  
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<400> 38  
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